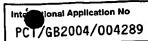
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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B17/042 E21B17/06 E21B43/10 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (dassification system followed by classification symbols) IPC 7 E21B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to daim No. Citation of document, with indication, where appropriate, of the relevant passages Category 1 - 26US 5 086 843 A (JONES FRANK L ET AL) A 11 February 1992 (1992-02-11) column 2, lines 52-58 column 3, lines 42-61 column 4, lines 45-54 WO 00/57020 A (WELL ENGINEERING PARTNERS B 1 - 26Α V ; MOURIK ARNO VAN (NL)) 28 September 2000 (2000-09-28) page 3, line 31 - page 4, line 5 page 9, lines 13-30 US 6 467 547 B2 (MAGUIRE PATRICK G ET AL) 1 - 26A 22 October 2002 (2002-10-22) column 1, lines 49-64 column 3, lines 38-49 -/--Patent family members are listed in annex. Further documents are listed in the continuation of box C. *T* later document published after the international filing date or priority date and not in conflict with the application but died to understand the principle or theory underlying the Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'E' earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 28/01/2005 20 January 2005 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Garrido Garcia, M

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